Performance Data Sheet

RKA5480YUZ

General Information

Model	RKA5480YUZ	**Refrigerant**	R-134a
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	230V ~ 50HZ
Return Gas	10K (18°F) SUPERHEAT	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Watts (Capacity)	580			
	Watts (Power)	455			
	Amps	3.38			
-23.3	Watts (Capacity)	636	559		
	Watts (Power)	463	493		
	Amps	3.40	3.41		
-20	Watts (Capacity)	755	671		
	Watts (Power)	477	513		
	Amps	3.43	3.46		
-15	Watts (Capacity)	968	867	753	
	Watts (Power)	494	539	584	
	Amps	3.46	3.53	3.65	
-10	Watts (Capacity)	1230	1100	961	815
	Watts (Power)	507	561	617	673
	Amps	3.48	3.59	3.74	3.94
-6.7	Watts (Capacity)	1420	1280	1120	950
	Watts (Power)	513	574	636	701
	Amps	3.48	3.62	3.80	4.03
-5	Watts (Capacity)	1540	1380	1210	1030
	Watts (Power)	515	580	646	714
	Amps	3.49	3.63	3.83	4.07
0	Watts (Capacity)	1900	1720	1500	1280
	Watts (Power)	519	593	670	750
	Amps	3.48	3.67	3.90	4.18

5	Watts (Capacity)	2330	2110	1850	1580
	Watts (Power)	519	602	690	782
	Amps	3.47	3.70	3.97	4.28
7.2	Watts (Capacity)	2540	2300	2030	1730
	Watts (Power)	517	605	697	795
	Amps	3.46	3.71	3.99	4.33
10	Watts (Capacity)	2830	2560	2260	1940
	Watts (Power)	513	607	705	810
	Amps	3.45	3.71	4.02	4.38
15	Watts (Capacity)	3410	3090	2740	2350
	Watts (Power)	502	606	716	833
	Amps	3.42	3.72	4.07	4.46

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.214476E+03	3.110512E+02	3.191154E+00	
C2	9.590495E+01	-4.034482E+00	-2.431184E-02	
C3	-2.322421E+00	6.699442E+00	3.075747E-03	
C4	1.605887E+00	-1.018225E-01	-2.135120E-04	
C5	-4.149496E-01	1.109499E-01	7.671028E-04	
C6	-3.191468E-01	5.939885E-03	2.235999E-04	
C7	8.751500E-03	-2.694548E-04	0.000000E+00	
C8	-1.074090E-02	2.300317E-04	0.000000E+00	
C9	-4.397318E-03	1.175922E-03	0.000000E+00	
C10	1.633832E-03	7.404074E-05	0.000000E+00	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

RKA5480YUZ

General Information

Model	RKA5480YUZ	**Refrigerant**	R-134a
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	10K (18°F) SUPERHEAT	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Watts (Capacity)	691			
	Watts (Power)	500			
	Amps	2.35			
-23.3	Watts (Capacity)	764	660		
	Watts (Power)	509	547		
	Amps	2.39	2.48		
-20	Watts (Capacity)	920	805		
	Watts (Power)	527	569		
	Amps	2.46	2.58		
-15	Watts (Capacity)	1190	1060	914	
	Watts (Power)	551	601	657	
	Amps	2.55	2.73	2.94	
-10	Watts (Capacity)	1510	1350	1170	1000
	Watts (Power)	571	631	695	768
	Amps	2.62	2.85	3.11	3.40
-6.7	Watts (Capacity)	1760	1580	1370	1170
	Watts (Power)	582	649	719	798
	Amps	2.65	2.92	3.21	3.54
-5	Watts (Capacity)	1890	1700	1480	1260
	Watts (Power)	586	657	731	813
	Amps	2.67	2.95	3.26	3.61
0	Watts (Capacity)	2340	2110	1840	1570
	Watts (Power)	597	679	763	855
	Amps	2.70	3.04	3.40	3.79

5	Watts (Capacity)	2860	2590	2270	1930
	Watts (Power)	600	695	792	895
	Amps	2.72	3.10	3.52	3.96
7.2	Watts (Capacity)	3110	2820	2480	2110
	Watts (Power)	600	701	803	912
	Amps	2.72	3.12	3.56	4.03
10	Watts (Capacity)	3460	3140	2760	2360
	Watts (Power)	598	706	816	932
	Amps	2.71	3.15	3.61	4.11
15	Watts (Capacity)	4150	3770	3330	2860
	Watts (Power)	587	711	835	964
	Amps	2.69	3.18	3.69	4.24

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.611892E+03	3.164159E+02	1.882556E+00	
C2	1.093790E+02	-6.762378E+00	-2.593906E-02	
C3	5.764075E+00	1.115994E+01	2.279424E-02	
C4	1.804004E+00	-1.901771E-01	-3.793750E-04	
C5	-1.634890E-01	2.946411E-01	1.023110E-03	
C6	-6.031258E-01	-8.516407E-02	1.508016E-04	
C7	1.025352E-02	-9.854526E-04	0.000000E+00	
C8	-1.119554E-02	2.243165E-03	0.000000E+00	
C9	-9.134462E-03	-7.251609E-04	0.000000E+00	
C10	3.615792E-03	8.147701E-04	0.000000E+00	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature